

TNF alpha Monoclonal Antibody (MAb11), eFluor™ 450, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MAb11
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2043889

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	35 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

Description: The MAb11 antibody reacts with human tumor necrosis factor-alpha (TNF alpha), a 17 kDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4+ T cells. TN alpha has cytolytic activity against a range of tumor cells and is important in immune regulation. TNF alpha forms dimers and trimers and also exists as a 26 kDa membrane bound form. The MAb11 antibody is a neutralizing antibody.

Applications Reported: This MAb11 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This MAb11 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

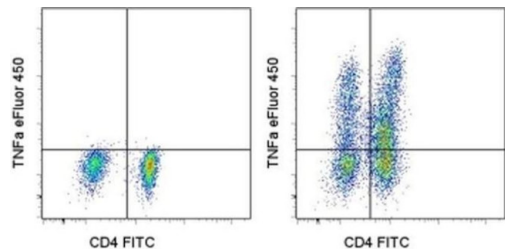
eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm).

Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For TNF alpha Monoclonal Antibody (MAb11), eFluor™ 450, eBioscience™



TNF alpha Antibody (48-7349-42) in Flow
Intracellular staining of human peripheral blood cells unstimulated (left) or stimulated for 5 hours with PMA/ionomycin and Brefeldin A (right) with Anti-Human CD4 FITC (Product # 11-0048-42) and Anti-Human TNF alpha eFluor® 450. Cells in the lymphocyte gate were used for analysis.

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Immunohistochemistry (2)

<p>Oncotarget</p> <p>Ghrelin ameliorates tumor-induced adipose tissue atrophy and inflammation <i>via</i> Ghrelin receptor-dependent and -independent pathways.</p> <p>"Published figure using TNF alpha monoclonal antibody (Product # 48-7349-42) in Immunohistochemistry"</p> <p>Authors: Liu H,Luo J,Guillory B,Chen JA,Zang P,Yoeli JK,Hernandez Y,Lee II,Anderson B,Storie M,Tewnion A,Garcia JM</p>	<p>Year 2020</p> <p>Species Human Mouse</p>
<p>Science signaling</p> <p>Targeting aPKC disables oncogenic signaling by both the EGFR and the proinflammatory cytokine TNF in glioblastoma.</p> <p>"Published figure using TNF alpha monoclonal antibody (Product # 48-7349-42) in Immunohistochemistry"</p> <p>Authors: Kusne Y,Carrera-Silva EA,Perry AS,Rushing EJ,Mandell EK,Dietrich JD,Errasti AE,Gibbs D,Berens ME,Loftus JC,Hulme C,Yang W,Lu Z,Aldape K,Sanai N,Rothlin CV,Ghosh S</p>	<p>Year 2014</p> <p>Species Human Mouse</p>

Immunocytochemistry (1)

<p>Molecular autism</p> <p>Persistence of dysfunctional natural killer cells in adults with high-functioning autism spectrum disorders: stigma/consequence of unresolved early infectious events?</p> <p>"48-7349 was used in Immunocytochemistry-immunoflourescence to explore the phenotype and polyfunctional capacities of NK cells according to infectious stigma and clinical parameters."</p> <p>Authors: Bennabi M,Tarantino N,Gaman A,Scheid I,Krishnamoorthy R,Debré P,Bouleau A,Caralp M,Gueguen S,Le-Moal ML,Bouvard M,Amestoy A,Delorme R,Leboyer M,Tamouza R,Vieillard V</p>	<p>Year 2020</p> <p>Species Human</p>
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Flow Cytometry (35)

<p>American journal of ophthalmology</p> <p>Antigen-Specific Intraocular Cytokine Responses Distinguish Ocular Tuberculosis From Undifferentiated Uveitis in Tuberculosis-Immunoreactive Patients.</p> <p>"48-7349-42 was used in Flow cytometry/Cell sorting to show that the intraocular polyfunctional cytokine response is stronger in undifferentiated TST+ uveitis than in OTB patients, likely representing an exaggerated anti-TB immune response rather than active infection."</p> <p>Authors: Alam K,Sharma G,Forrester JV,Basu S</p>	<p>Year 2023</p> <p>Species Human</p>
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More applications with references on thermofisher.com

Neu (1)

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